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The Files - RD-122, T.O. 1

31 December 1958

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Trip Report - DC Miniature Motor Procurement

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1. The writer visited the [REDACTED] on 8 December 1958 to investigate activity on the procurement of 65 miniature DC motors for the R&D Laboratory production of TP-3 printers (Project 2045). This procurement is being handled through [REDACTED]

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2. A total of 11 motors has been received by the Agency and tested at the R&D Laboratory. In each case these motors failed to meet the specification even after relaxation of several requirements. R&D Laboratory testing of the last two motors received 9 October 1958 indicated that two basic problems remain: (1) presence of a high external magnetic field and (2) motor speed stability.

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[REDACTED] could not understand the recurrence of the high external field since an earlier internal magnetizing technique had reduced the field to an acceptable level. In explaining the reason for governor instability he mentioned that this was the first attempt by the company to govern motors at such a low speed (2100 rpm); 6,000 rpm was the lowest speed they had successfully governed in the past. Another possible explanation for the difficulties experienced with these last two motors might be the change in personnel employed on the project at [REDACTED]

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3. The writer asked that two additional motors be assembled and shipped as soon as possible. [REDACTED] stated that he would personally guide the assembly to insure that these two motors would represent the best possible product they could supply at this time. These are expected to be completed by the end of December 1958. An unofficial time quote for producing these motors upon acceptance of performance would be ten per week after a lead time of four weeks. He also mentioned that two to three times the original contract price had been expended in producing the first 11 motors. The apparent attitude shown by [REDACTED] was one of great concern but of little help. This is not objectionable, however, since [REDACTED] is performing a service as intermediary between the Agency and [REDACTED] for security reasons.

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OC-E/R&D-EP/RID:w1j (7 January 1959)

cc: R&D Subject File

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R&D Lab OC-T

R&D Chrono EP Chrono

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